Complete and end this ferm, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

DATENT	AND TRADEFERK OF	2005				Alexandria, Virginia 22313-1450			
PHIENI	13-10-0001	اج الله		or]	Fax ((703) 746-4000			
INS app ind ma	STRUCTIONSUThis for propriete All Orther conficated unless to recied intended to the confication of the conf	This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed with the correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS and the correspondence address."							
	CURRENT CORRESPONDENC	CE ADDRESS (Note: Use Block 1 for 590 01/12/2005	any change of address)]	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
CLARK & ELBING LLP 101 FEDERAL STREET BOSTON, MA 02110						Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.			
02/08/2005 EFLORES1 00000028 10020269					Colleen Coyne (Depositor's name)				
01 FC:		700.00 OP				Collogn Com O (Signature)			
02 FC:						February	3,2005	(Date)	
Γ	APPLICATION NO.	PPLICATION NO. FILING DATE		FIRST NAMED INVENT		TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/020,269 12/14/2001			William M. Mitchell			50150/025002	9901	
TIT	LE OF INVENTION: IDENTIFICATION OF ANTI					4., 474			
L	APPLN. TYPE				PU	BLICATION FEE	TOTAL FEE(S) DUE \$1000	04/12/2005	
	nonprovisional YES		\$700			\$300			
Г	EXAN	MINER	ART UNIT		CL	ASS-SUBCLASS]		
	SWARTZ, RODNEY P		1645			424-263100			
3. A	1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been file recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Vanderbilt University Na hville, TN								
Please check the appropriate assignee category or categories (will not be printed on the patent):								oup entity Government	
4a. The following fee(s) are enclosed: X Issue Fee X Publication Fee (No small entity discount permitted) RAdvance Order - # of Copies				b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 03-2095 (enclose an extra copy of this form).					
5. Change in Entity Status (from status indicated above) Ka. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).									
The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.									
	Authorized Signature Date 3 February 2005								
	Typed or printed name Karen L. Elbing Ph.D. Registration No. 35,238								

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.